Technical Data Sheet

MVA 2453 L/ 44 % N.D.

Signification and superplasticizer for concrete

Characteristics / Chemistry

MVA 2453 L/44% N.D. is an aqueous solution of a polymer based on a modified polycarboxylic ether.

The product does not contain a defoamer. In order to achieve optimum performance, we recommend to use the product in combination with a suitable defoamer system.

Fields of Application

MVA 2453 L/44% N.D. is especially optimized for plastification and water reduction of cement based materials, e.g.

→ raw material for concrete superplasticizer and plasticizer formulations

Fields of application are e. g.

- → ready-mix concrete
- → precast concrete
- → pre-stressed concrete
- → fair-faced concrete
- → self-compacting concrete

Technical Data

Physical shape aqueous solution

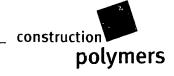
Appearance clear to slightly turbid, slightly yellowish to yellowish-brownish

Solids content, [%] 43.0 to 45.0

Density (20 °C), [g/cm³] 1.08 to 1.12

pH-value (20 °C) 5.0 to 8.0

Dosage recommendation, [%] 0.15 to 0.70 in relation to weight of binder



Further Technical Data

in bulk **Packaging**

1,060 kg container

to be stored in its unopened original packaging, please store dry at usual ambient temperatures and protect

from excessive heat (below 40 °C);

please stir thoroughly after longer storage periods; Storage

as the product is prone to gas emission; please take care for a sufficient ventilation of storage and

dosage facilities

withstands any number of freezing/thawing cycles, Frost resistance please thaw and homogenize frozen material

thoroughly at 20 °C

Shelf life 1 year

Storage class 12 (non-flammable liquids)

not known as a dangerous good according to transport

regulations;

due to the product's proneness for gas emission it is **Transport regulation**

not suitable for airfreighting respectively only under

very limited conditions

For optimum plastification the adjustment of dosage Miscellaneous

rate and mixing time is recommended to achieve

special job site requirements.

MVA 2453 L/44% N.D. is a solution with a high solids content. If stored over a long period of time at lower temperatures, we recommend dilution in order to improve pumpability.

MVA 2453 L/44% N.D. is a superplasticizer based on latest polymer technology. These types of superplasticizers typically contain certain side chains based on polyethylene glycol. Due to raw material synthesis of the polyethylene glycol, the nature of radical polymerization and the composition, it is known that this technical product has some natural colour variations from nearly colourless to yellowish up to slightly brownish. However, these colour variations have no influence on the application performance of the product. It is not known that the product colour changes significantly over time under normal storage conditions.

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This technical note is valid until replaced by a new issue.

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